-continued

COMPONENTS	
(Emal ® 227E from Kao)	
Sodium Cocoamphoacetate (40% Dry)	7.5
(Betadet ® SHC-2 from Kao)	
Example E product	3.5
Lauryl hydroxysultaine (45% Dry)	5.0
(Betadet ® S-20 from Kao)	
Oleic esterquat (80% Dry Matter)	0.5
(Tetranyl ® CO-40 from Kao)	
Pearling agent (Danox ® BF-22	3.0
from Kao)	
Perfume	e.q
NaCl	e.q.
Preservative	e.q.
ANALYSIS	
Appearance	Pearled viscous liquid
pH (100%)	6.0–6.5
Viscosity (cps) 20° C	=7000
% Dry matter	19–21
Stability	OK

Bath gel

COMPONENTS	
Deionized water	to 100
Sodium Lauryl sulfate (27% Dry)	37.0
(Emal ® 277 E from Kao)	
Cocoamidopropoxybetaine (34% Dry)	10 0
(Betadet ® HR from Kao)	
Example F product	2.5
Perfume	0 5
NaCl	0 5
Preservative Kathon CG ®	0 05
from Rohm & Haas	
$EDTA.Na_2$	0.05
ANALYSIS	
Appearance	Transparent viscous liquid
pH (100%)	5 0–6.0
Viscosity (cps) 20° C.	6000–8000
Turbidity point (° C)	<0
% Dry matter	18–20
Stability	OK

Hair conditioner

COMPONENTS	HC1	HC2
Deionized water	to 100	to 100
Propyleneglycol	2 0	2 0
Dioleic esterquat (80% Dry	1 9	—
Matter) (Tetranyl ® CO-40		
from Kao)		
Cetrimonium Chloride (25% Dry)	—	6.0
(Quartamin ® 60W25 from Kao)		
Cetearyl alcohol (Kalcol ® 6870	3.0	3.0
from Kao)		
Example A product	0.5	0.5
Perfume	e.q.	e.q.
Preservative	e.q.	e.q.

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Hair conditioner

COMPONENTS	HC1	HC2
ANALYSIS		
Appearance	White viscous emulsion	White viscous emulsion
pH (100%)	4–6	4–6
Viscosity (cps) 20° C.	=5000	=5000
% Dry matter	4 5–5 5	4.5–5.5
Stability	OK	OK

Manual dishwashing

COMPONENTS	MD1	MD3
Deionized water	to 100	to 100
Na Laurylethersulfate (70%	9.5	17.0
Dry) (Emal ® 270E from Kao)		
Sodium C14–16 Olefin Sulfonate	27 0	14 7
(37% Dry) (Alfanox ® 46		
from Kao)		
Cocoamidopropoxybetaine (34%	2 0	2 0
Dry) (Betadet ® HR)		
Cocoamid DEA (Amidet ® B-112	1.0	1 0
from Kao)		
Example E' product	2.0	2 0
NaCl	2 0	1 5
Formaldehyde 40%	0.1	0.1
ANALYSIS		
Appearance	Transparent viscous liquid	Transparent viscous liquid
pH (100%)	6.5–7 5	6.5–7.5
Viscosity (cps) 20° C.	400–800	400–800
Turbidity point (° C.)	–6	–4
% Dry matter	22–24	22–24
Washed dishes	17	17
Stability	OK	OK

All purpose cleaner

COMPONENTS	
Deionized water	to 100
Sodium C14–16 Olefin Sulfonate	14.6
(37% Dry) (Alfanox ® 46 from Kao)	
Example E' product	2.0
Tetrapotassium pyrophosphate	3 0
Butylglycol	1.0
$EDTA.Na_4$	2.3
Perfume	e.q
Preservative	e.q
ANALYSIS	
Appearance	Transparent liquid
pH (100%)	7.0–8.0
Viscosity (cps) 20° C	<10
% Dry matter	13.0–14.0
Stability	OK

What is claimed is:

1. Composition comprising

(i) compounds represented by the following formula (I), wherein each of B1, B2 and B3 independently represent a group represented by the following formula (II):

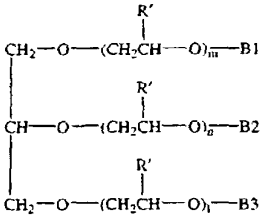
(ii) compounds represented by the following formula (I), wherein two of B1, B2 and B3 independently represent a group represented by the following formula (II), the remainder representing H;

(iii) compounds represented by the following formula (I), wherein one of B1, B2 and B3 represents a group represented by the following formula (II); the remainder representing H;

(iv) compounds represented by the following formula (I), wherein each of B1, B2 and B3 represent H;

the weight ratio of the compounds (i)/(ii)/(iii) being 46 to 90/9 to 35/1 to 15:

Formula (I):



R' representing H or CH_3, and each of m, n, and l independently representing a number from 0 to 4, the sum of m, n and l being in the range of 1 to 4;

Formula (II):

wherein R represents an alkyl or alkenyl group having 6 to 22 carbon atoms.

2. Composition according to claim 1, wherein the weight ratio of the compounds (i)/(ii)/(iii) is 60 to 83/16 to 35/1 to 6.

3. Composition according to claim 1, wherein R' in formula (I) represents H.

4. Composition according to claim 1, wherein the sum of m, n and l in formula (I) is in the range of 1.5 to 3.0.

5. Composition comprising

(i) compounds represented by the following formula (I), wherein each of B1, B2 and B3 independently represent a group represented by the following formula (II);

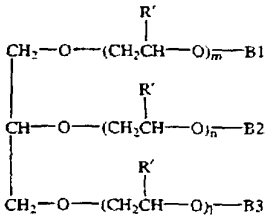
(ii) compounds represented by the following formula (I), wherein two of B1, B2 and B3 independently represent a group represented by the following formula (II), the remainder representing H;

(iii) compounds represented by the following formula (I), wherein one of B1, B2 and B3 represents a group represented by the following formula (II); the remainder representing H;

(iv) compounds represented by the following formula (I), wherein each of B1, B2 and B3 represent H;

the weight ratio of the compounds (i)/(ii)/(iii) being 60 to 83/16 to 35/1 to 6:

Formula (I):



R' representing H, and each of m, n, and l independently representing a number from 0 to 4, the sum of m, n and l being in the range of 1.5 to 3.0;

Formula (II):

wherein R represents an alkyl or alkenyl group having 6 to 22 carbon atoms.

6. Composition according to claim 5, wherein the sum of m, n and l in formula (I) is smaller than 2.

7. Composition according to claim 5, wherein the weight ratio (i)+(ii)+(iii)/(iv) is in the range of 85/15 to 40/60.

8. Method for the preparation of a composition comprising

(i) compounds represented by the following formula (I), wherein each of B1, B2 and B3 independently represent a group represented by the following formula (II);

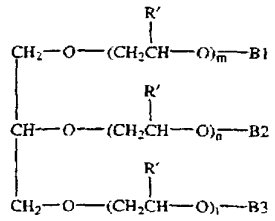
(ii) compounds represented by the following formula (I), wherein two of B1, B2 and B3 independently represent a group represented by the following formula (II), the remainder representing H;

(iii) compounds represented by the following formula (I), wherein one of B1, B2 and B3 represents a group represented by the following formula (II); the remainder representing H;

(iv) compounds represented by the following formula (I), wherein each of B1, B2 and B3 represent H,

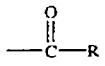
the weight ratio of the compounds (i)/(ii)/(iii) being 46 to 90/9 to 35/1 to 15:

Formula (I):



R' representing H or CH_3, and each of m, n, and l independently representing a number from 0 to 4, the sum of m, n and l being in the range of 1 to 4;

Formula (II):

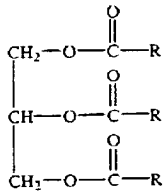


wherein R represents an alkyl or alkenyl group having 6 to 22 carbon atoms;

the method comprising the following steps:

a) subjecting a mixture of glycerine and a compound of the following formula (III) to an interesterification reaction:

(III)



wherein R represents an alkyl or alkenyl group having 6 to 22 carbon atoms, and

b) subjecting the reaction mixture obtained in step a) to an alkoxylation using an alkylene oxide having 2 or 3 carbon atoms in the presence of an alkaline catalyst.

9. Method for the preparation of a composition comprising

(i) compounds represented by the following formula (I), wherein each of B1, B2 and B3 independently represent a group represented by the following formula (II);

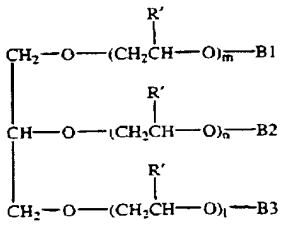
(ii) compounds represented by the following formula (I), wherein two of B1, B2 and B3 independently represent a group represented by the following formula (II), the remainder representing H;

(iii) compounds represented by the following formula (I), wherein one of B1, B2 and B3 represents a group represented by the following formula (II); the remainder representing H;

(iv) compounds represented by the following formula (I), wherein each of B1, B2 and B3 represent H;

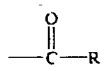
the weight ratio of the compounds (i)/(ii)/(iii) being 46 to 90/9 to 35/1 to 15:

Formula (I):



R' representing H or CH_3, and each of m, n, and l independently representing a number from 0 to 4, the

Formula (II):



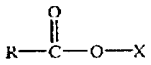
wherein R represents an alkyl or alkenyl group having 6 to 22 carbon atoms;

the method comprising the following steps:

a') reacting a mixture of glycerine and alkylene oxide having 2 or 3 carbon atoms in the presence of an alkaline catalyst, and

b') reacting the reaction mixture obtained in step a') with a compound of the following formula (IV):

(IV)



wherein R represents an alkyl or alkenyl group having 6 to 22 carbon atoms, and X represents a methyl group or H.

10. Detergent composition containing a composition comprising the following compounds (i) to (iv) in an amount of 0.5 to 20 wt.-%.

(i) compounds represented by the following formula (I), wherein each of B1, B2 and B3 independently represent a group represented by the following formula (II);

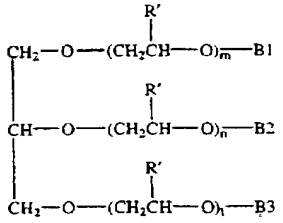
(ii) compounds represented by the following formula (I), wherein two of B1, B2 and B3 independently represent a group represented by the following formula (II), the remainder representing H;

(iii) compounds represented by the following formula (I), wherein one of B1, B2 and B3 represents a group represented by the following formula (II); the remainder representing H;

(iv) compounds represented by the following formula (I), wherein each of Bi, B2 and B3 represent H;

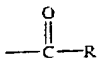
the weight ratio of the compounds (i)/(ii)/(iii) being 46 to 90/9 to 35/1 to 15:

Formula (I):



R' representing H or CH_3, and each of m, n, and l independently representing a number from 0 to 4, the

Formula (II):



wherein R represents an alkyl or alkenyl group having 6 to 22 carbon atoms.

11. Detergent composition containing a composition comprising the following compounds (i) to (iv) in an amount of 1 to 8 wt.-%.

(i) compounds represented by the following formula (I), wherein each of B1, B2 and B3 independently represent a group represented by the following formula (II);

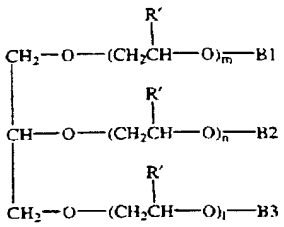
(ii) compounds represented by the following formula (I) wherein two of B1, B2 and B3 independently represent a group represented by the following formula (II), the remainder representing H;

(iii) compounds represented by the following formula (I), wherein one of B1, B2 and B3 represents a group represented by the following formula (II), the remainder representing H;

(iv) compounds represented by the following formula (I), wherein each of B1, B2 and B3 represent H;

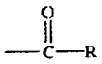
the weight ratio of the compounds (i)/(ii)/(iii) being 60 to 83/16 to 35/1 to 6:

Formula (I):



R' representing H, and each of m, n, and l independently representing a number from 1 to 4, the sum of m, n and l being in the range of 1.5 to 3.0;

Formula (II):



wherein R represents an alkyl or alkenyl group having 6 to 22 carbon atoms.

* * * * *